Controlled Power Company

MADE IN AMERICA

SYSTEM CERTIFICATION ISO 9001:2008 SGS

MEDICAL SOLUTIONS

SureImage Model Ultra-K/M
(75 K(i) to 225 K(i) Three Phase)

- 98% efficiency, typical.
- High frequency filter.
- Low temperature rise (105°F).
- 146 dB common mode noise attenuation.

Applications: MRI, CT, PET, Molecular Imaging, X-Ray, Cardiology

MEDICAL SOLUTIONS

SureImage Model 700F/M
(60 K(i) to 260 K(i) Three Phase)

- Output line voltage regulation ± 2%, typical.
- Up to 97% efficiency.
- Front access enclosure.
- Optional input and output metering with real-time monitoring and waveform viewing.
- Optional output circuit breakers.

Applications: MRI, CT, PET, Molecular Imaging, X-Ray, Cardiology, Linear Accelerator

MEDICAL SOLUTIONS

MedPoweRx Model LT/M
(700 VA to 2.1 kVA)

- Battery back-up for patient vicinity medical systems.
- Less than 300 micro-amps leakage current to ground.
- Optional specially-designed wheeled cart for portability.

Applications: Mammography, Ultrasound, Fluoroscopy, Dialysis, Hospital Room PC's, Nurse Call Stations, Fetal Monitor Carts*

* Disclaimer: Product not intended for life support applications. Controlled Power Company does not accept any liability for this product being used with ventilators or any other life support systems.

MEDICAL SOLUTIONS

SuiteLITE Model SCLU (600 W to 3000 W)

- Meets the hospital-grade lighting power requirements of RF-shielded MRI suites.
- Assures a highly-filtered, regulated, dimmable, DC output, and provides illumination without image interference.
- Slide dimmer control with on / off switch, or optional in-suite lighting adjustment.
- Compact size for easy installation, maintenance-free.

Applications: MRI Suite Lighting

Centralized Emergency Lighting Inverters

EON Model EL3
(10 kW to 33 kW Three Phase)

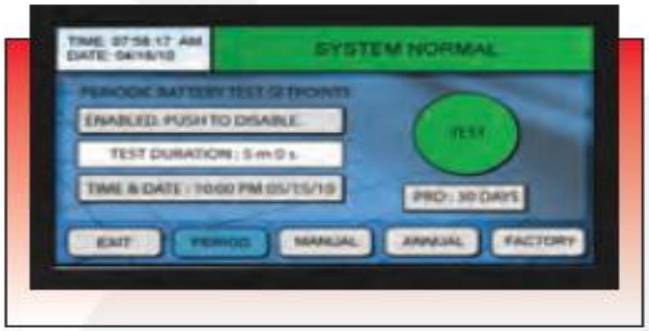
- Computer-based, self-testing / self-diagnostic emergency lighting system with data-logging and reporting (NFPA 101, 7.9.3.1.3).
- Physically smaller than comparable three-phase emergency lighting inverter products, without compromising performance or serviceability.
- Requires only (1) battery cabinet for 90 minutes runtime.
- Only batteries with front-access terminals are used.

Applications: Theaters / Concert Halls, Auditoriums, Airports, Casinos, Conference / Banquet Centers, Industrial Manufacturing, Warehouses

Centralized Emergency Lighting Inverters

Advanced Digital Monitoring The Intellistat TS™

- Color, TFT, high resolution touch-screen display for viewing system parameters, status, alarms, and programming of date / time values and system setpoints.
- Provides complete system diagnostics and testing, including all NFPA-compliant automatic battery testing and report logging.
- Performs egress lighting integrity test.



Model ELU display shown

Available On:

UltraLITE Model ELU: 1.5 kW – 14 kW sizes

Standard On:

EON Model EL3: 10 kW – 33 kW three phase sizes

Centralized Emergency Lighting Inverters

UltraLITE Model ELU
(1.5 kW to 14 kW Single Phase)

- Seamless transfer, online double-conversion system, compatible with all existing and future lighting loads.
- Automatic static bypass.
- Secure, internal make-before-break inverter bypass switch.
- Basic and advanced Intellistat TS™ monitoring options.
- System approved for 42k AIC rated source.

Centralized Emergency Lighting Inverters

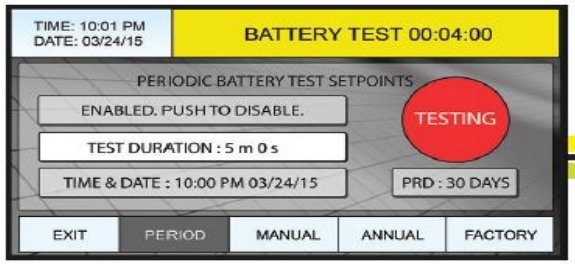
UltraLITE Model ELC
(600 W to 2 kW Single Phase)

- Compact, front access design, featuring one of the smallest cabinet footprints in the industry.
- Uninterrupted, regulated, continuous sinewave output, compatible with all existing and future lighting loads.
- Timed Normally Off Bus "PLUS" option includes an adjustable soft start to accommodate the high inrush current of "normally off" emergency lights.
- High-speed automatic static bypass.
- Manual bypass switch.
- NEMA 2 drip-proof enclosure.

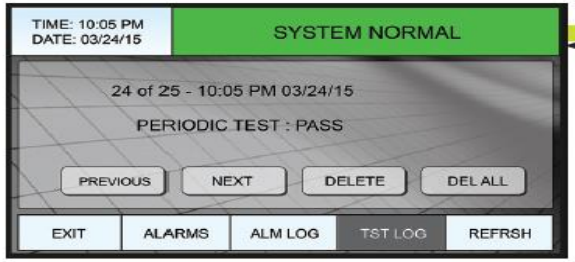
Applications: Commercial, Industrial, Schools, Hospitals, Office Buildings, Retail Stores, Multi-Unit Dwellings

Centralized Emergency Lighting Inverters

This illustration reflects (4) different emergency lighting design scenarios. The **"Always On"** design is highlighted to illustrate two diagnostics taking place during the same test.



LOCAL COMMUNICATIONS: Intellistat TS initiates automatic or manual tests, periodic (and annual).

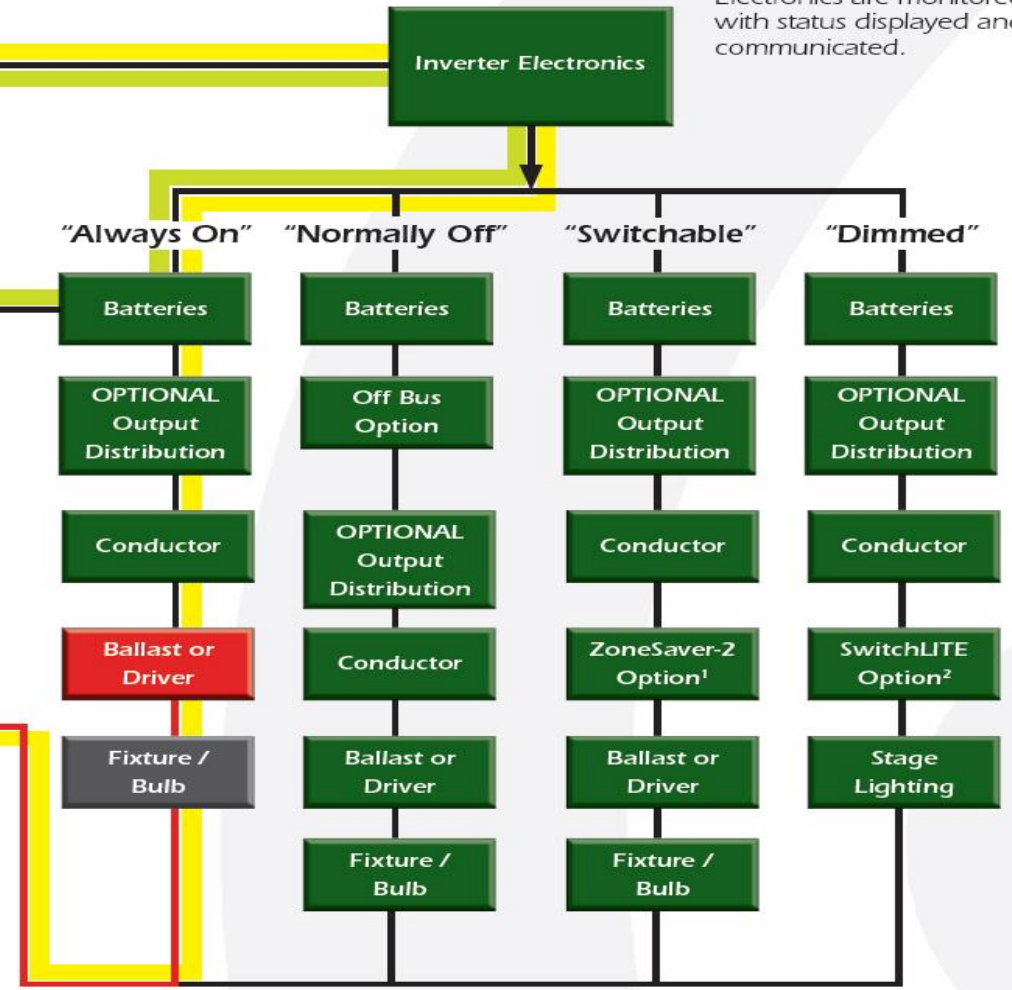


LOCAL COMMUNICATIONS: Intellistat TS displays logged test results of inverter electronics and batteries, time- and date-stamped.

LOCAL COMMUNICATIONS: Intellistat TS performs ***"Egress Lighting Integrity Test"*** that may initiate Low Output VA alarm during periodic and annual test periods.

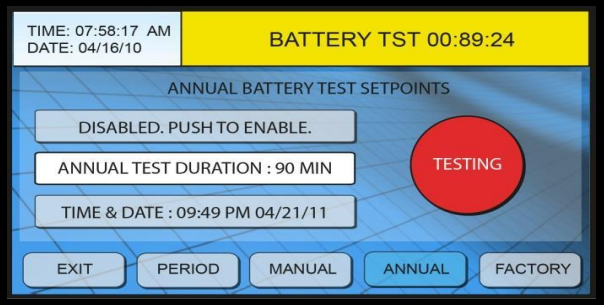
"Inverter System Electronics / Battery Test"
"Egress Lighting Integrity Test"

Note: This illustration depicts automatic or manual periodic testing. In addition, the Inverter Electronics are monitored 24/7 with status displayed and communicated.



Centralized Emergency Lighting Inverters

NFPA 101-7.9.3 w/ EGRESS LIGHTING INTEGRITY TEST



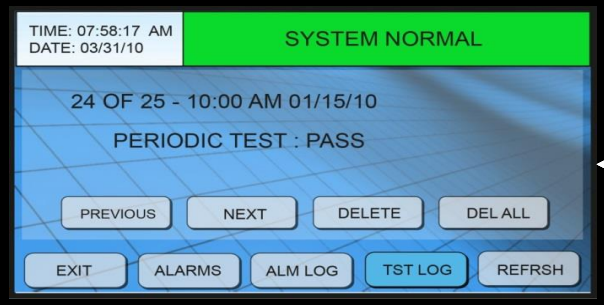
LOCAL COMMUNICATIONS: INTELLISTAT

REMOTE COMMUNICATIONS: NETMINDER;

- BACnet TCP/IP
- BACnet MS/TP
- Ethernet TCP/IP
- MODBUS TCP
- MODBUS 485

REMOTE COMMUNICATION: DATA;

- Battery Test Pass
- Battery Test Fail
- Inverter Fail
- Monitored Breaker Trip



LOCAL COMMUNICATIONS: INTELLISTAT

Electronics 24 / 7

"Always On" Design	Batteries	OPTIONAL Output Distribution	Conductor	Ballast Driver	Fixture Bulb	
"Normally Off" Design	Batteries	Off Bus option	OPTIONAL Output Distribution	Conductor	Ballast Driver	Fixture Bulb
"Switchable" Design	Batteries	OPTIONAL Output Distribution	Conductor	ZoneSaver 2 option	Ballast Driver	Fixture Bulb
"Dimmed" Design	Batteries	OPTIONAL Output Distribution	Conductor	SwitchLITE option	Stage Lighting	

Single Phase UPS Systems

Model ES
(4500 VA to 15500 VA)

- Online, double-conversion technology.
- Extended battery backup time, without the need for additional cabinetry.
- Choice of nominal input voltages, with conversion to the exact nominal output voltage needed, even in bypass.
- Color monitor with high-resolution touch-screen display.
- Full network communications options.

Applications: Healthcare I.T., Network Server Rooms, Industrial Controls, Business Continuity

Single Phase UPS Systems

Model ESV
(1.5kVA to 14kVA)

- Front Access only design for ease of installation, operation & service
- Extended battery backup time, without the need of additional cabinetry
- Voltage regulation and power conditioning on all models
- Adaptive Input Range Technology
- 4 Stage temperature compensating smart charger

Single Phase UPS Systems

LT Series
(700 VA to 2.1 kVA)

- Tower **(Model LT)** or rack-mount **(Model LTR)** styles available.
- Line cord / receptacle or hardwired models.
- **Model LTN (NEMA 2)** UPS with extended battery runtimes; front access style enclosure.

Single Phase UPS Systems

- **Model LTN-3R outdoor UPS** with extended runtimes; NEMA 3R raintight enclosure design.
- Elastomeric insulation prevents condensation and internal moisture.
- Conformal coated circuit boards.
- Extended battery runtimes from 30 minutes to 9.5 hours at full load, model dependent.

Model LTN-3R shown

Applications:

LT, LTR, LTN — Industrial / Automated Process Controls, Point-of-Sale Computers, Instrumentation

LTN-3R — Traffic Controls, Vehicle / Cargo Scanning, Solar Array Controls

Single Phase UPS Systems

MD Series
(3.1 kVA to 7.5 kVA)

- Internal bypass option that "maintains system isolation and voltage transformation".
- Multiple input / output voltage configurations.
- Custom-configured output distribution and receptacles.

Applications: LAN / WAN, Telecommunications, Industrial Controls

Single Phase UPS Systems

HV Series
(7.5 kVA to 25 kVA)

- Integral constant voltage transformer isolates and regulates output voltage.
- Internal bypass option that "maintains system isolation and voltage transformation".
- Wrap-around bypass option.
- Custom-configured output distribution breakers and receptacles.
- Multiple input / output voltage combinations — field-configurable.
- Provided with molded case, thermal magnetic AC input and DC circuit breakers.
- Optional "System Power Analyzer" local monitor.

Applications: Windfarm Power Substations, SCADA / DCS, Extensive LAN / WAN Systems, Industrial Controls

Series 800 Power Purifier

800A Commercial Model (500 VA to 15 kVA)

800PI Industrial Model (500 VA to 25 kVA)

800PI models shown

- Provides isolated, regulated, and noise-free electrical power to protect sensitive electronic equipment.
- Variable range regulation increases input voltage range under lighter loads, while tight output voltage is maintained.
- Provides power "ride-through", even with the loss of input voltage for up to 1 cycle.
- **800PI** models available in NEMA 1, 2, and 3R enclosures.

Applications:

800A — High-End Digital Photography, Security Systems, Medical Labs

800PI — Industrial Networks, Automation Equipment, Machine Tools, PLC's, Instrumentation

Series 700F Power Processor
(10 kVA to 150 kVA Three Phase)

- Front access only! All installation, operation, maintenance, and testing can occur from the front of the unit — no side or rear access required.
- Identical voltage regulation and power conditioning performance as the Series 700A.
- Front access to all options including a regulator bypass, output distribution circuit breakers, and input / output digital meters.
- Advanced monitoring options include data-logging, programmable limit alarms, a waveform scope to view the real-time waveform for voltage and current, plus power quality monitoring with event logging.
- Optional communications include Ethernet TCP/IP and MODBUS TCP.

Applications: Commercial, Industrial, Power Generation Plants, Refineries, Aerospace, Telecommunications, Pulp / Paper Mills, Industrial Lasers

Series 700A Power Processor
(5 kVA to 25 kVA Single Phase)
(10 kVA to 1 mVA Three Phase)

- 7-tap, microprocessor-controlled.
- Precisely maintains correct voltage to ± 3% within one cycle, and maintains regulation during extended brownouts.
- Low output impedance transformer minimizes voltage distortion and sags commonly associated with high surge currents.
- Triple-shielded transformer provides a noise-free ground, attenuates voltage spikes and transients, and re-establishes the N-G bond.
- Internal bypass option that "maintains system isolation and voltage transformation."

Applications: Food Processing, Pharmaceuticals, Commercial, Industrial, Audio / Visual, Wastewater Treatment, Robotics

Series 900/200 Power Commander ("Plus")
(15 kVA to 150 kVA Single Phase)
(15 kVA to 450 kVA Three Phase)

- Precise electrical power for critical loads.
- Automatic correction of voltage deviations to ± 1% of nominal.
- Adjustable output voltage.
- Electronically and magnetically regulated — no moving parts, virtually no preventive maintenance required.
- High fault-clearing capability.
- "Plus" models include computer-grade isolation transformers.

Applications: Test Laboratories, Industrial, Commercial, Distributed Control Systems (DCS), Power Generation Authorities, Regulated Bypass for Uninterruptible Power Systems, Broadcast Communications

Power Conditioner

Coming Soon